



Apaf-1 Antibody [13F11]

Cat. No.: 36-176



Ψ Specifications

HOST SPECIES:	Rat
SPECIES REACTIVITY:	Mouse, Rat
IMMUNOGEN:	Recombinant mouse Apaf-1 (aa 1-97) containing the N-terminal CARD domain.
TESTED APPLICATIONS:	ELISA, ICC, IP, WB
APPLICATIONS:	Immunoprecipitation: (1:1000-1:2000) . Western Blot: (1:1000-1:2000) . Optimal conditions must be determined individually for each application.
SPECIFICITY:	Recognizes the CARD domain of mouse and rat Apaf-1. Does not cross-react with human Apaf-1.

Ψ Properties

PURIFICATION:	>95% (SDS-PAGE)
CLONALITY:	Monoclonal
ISOTYPE:	IgG2a, kappa
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	Liquid. In PBS containing 0.02% sodium azide.

CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	Stable for at least 1 year after receipt when stored at -20 °C.

Ψ Additional Info

OFFICIAL SYMBOL:	Apaf1
ALTERNATE NAMES:	Apoptosis Protease-activating Factor 1
ACCESSION NO.:	20137192
PROTEIN GI NO.:	Q9EPV5
GENE ID:	78963
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Ψ Background and References

BACKGROUND:	Apaf-1 is a cytoplasmic protein that forms one of the central hubs in the apoptosis regulatory network. It contains (from the N terminal) a caspase recruitment domain (CARD), an ATPase domain (NB-ARC), few short helical domains and then several copies of the WD40 repeat domain. Upon binding cytochrome c and dATP, this protein forms an oligomeric apoptosome, mediates the cytochrome c-dependent autocatalytic activation of pro-caspase-9 (Apaf-3), leading to the activation of caspase-3 and apoptosis.
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